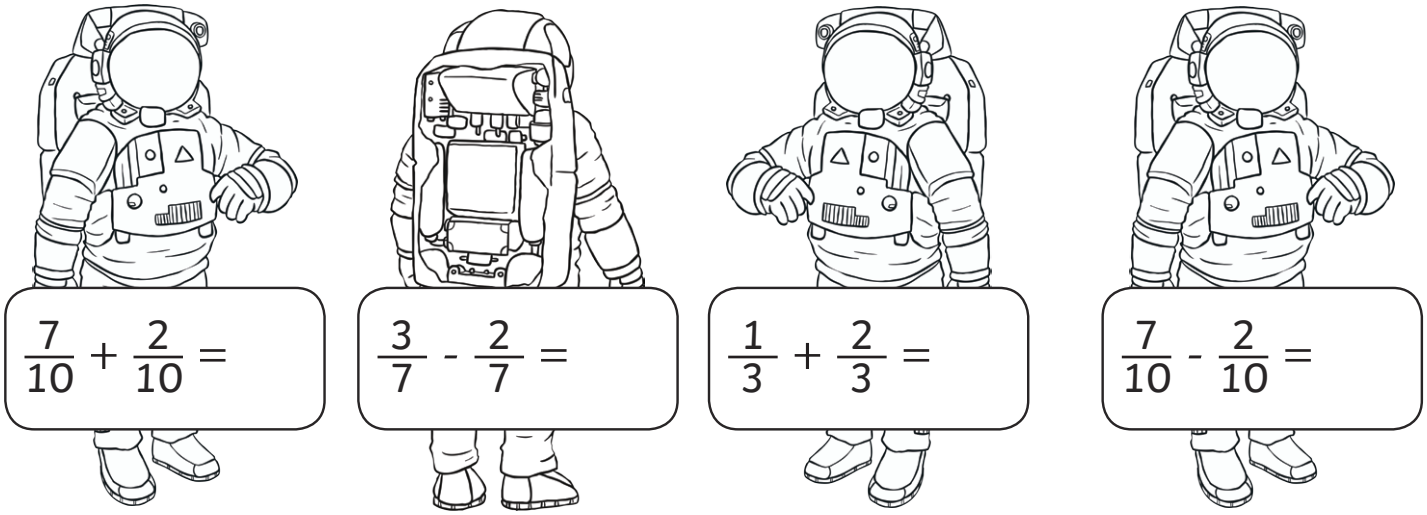
Year 5 Add and Subtract Fractions with the Same Denominator

Space Themed Maths Activity Games

Cut out the astronauts. Complete the calculation on each astronaut and then sort them by their answer onto the correct space shuttle. Once you have selected the correct space shuttle, stick the astronaut onto the space shuttle using a glue stick.

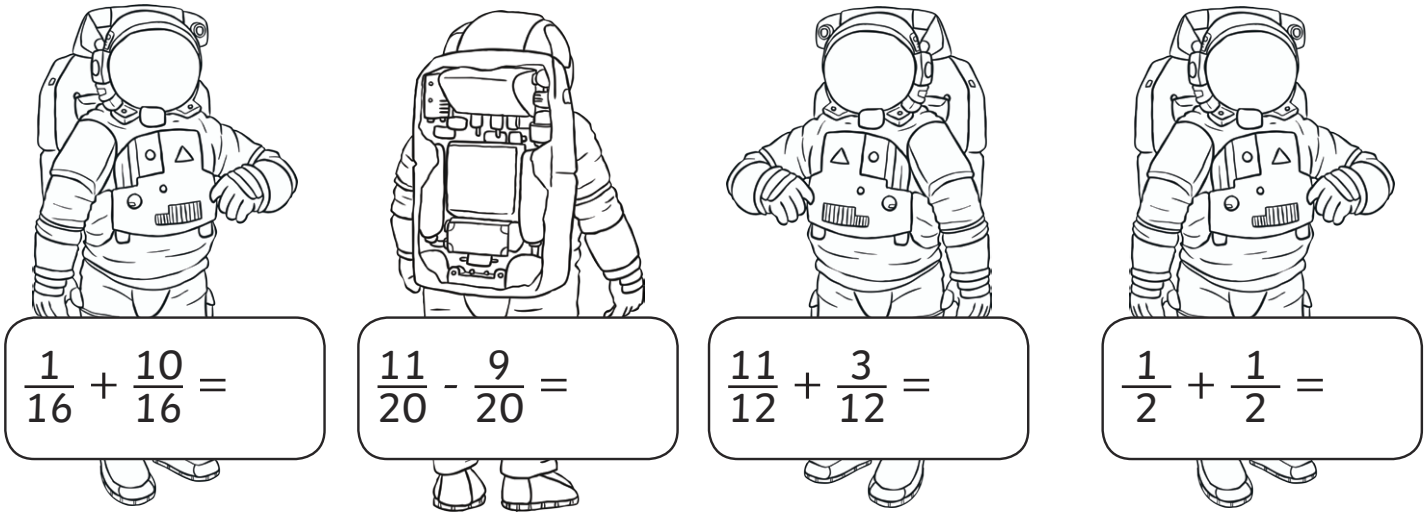


$\frac{7}{10} + \frac{2}{10} =$

$\frac{3}{7} - \frac{2}{7} =$

$\frac{1}{3} + \frac{2}{3} =$

$\frac{7}{10} - \frac{2}{10} =$

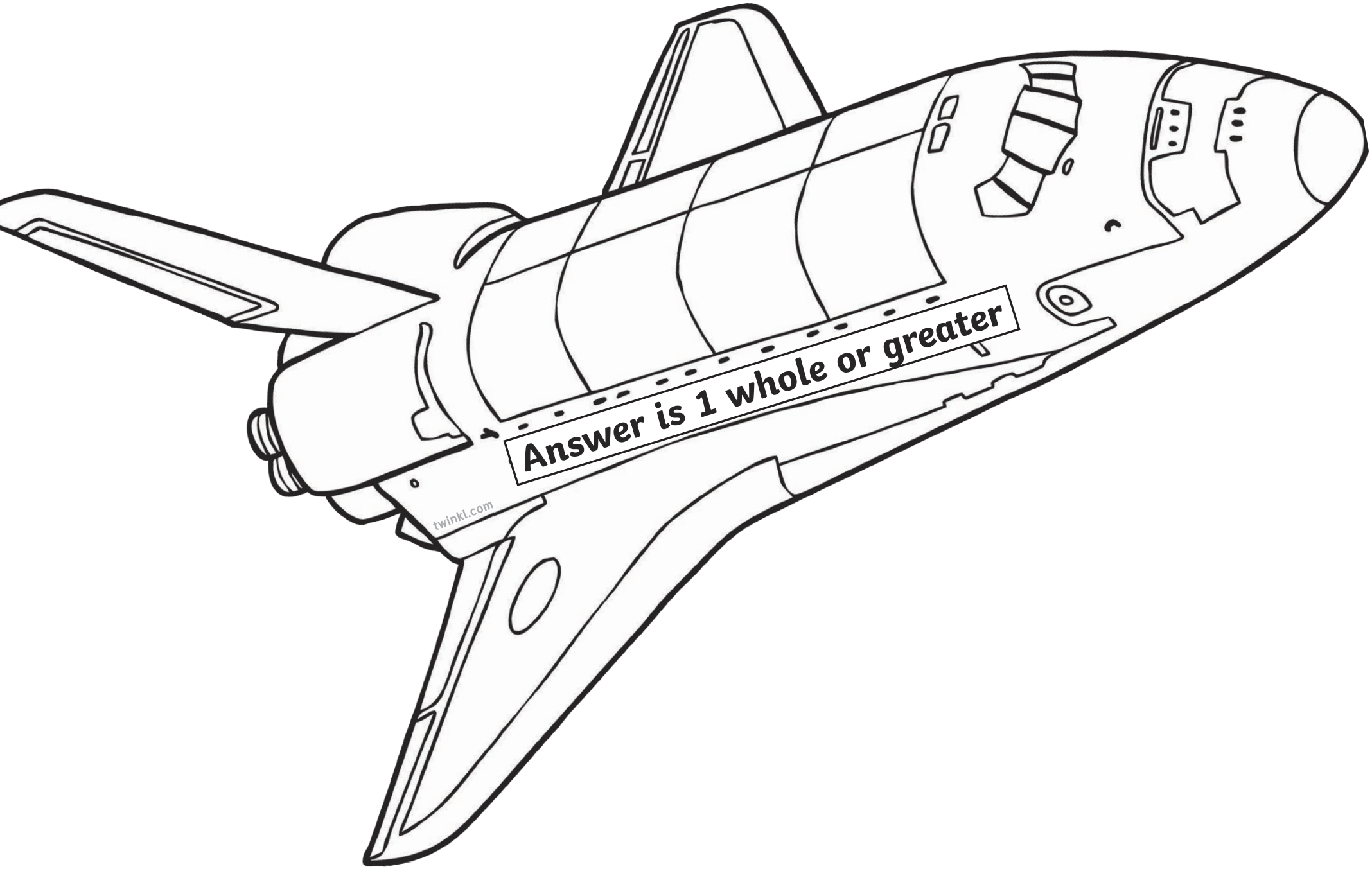


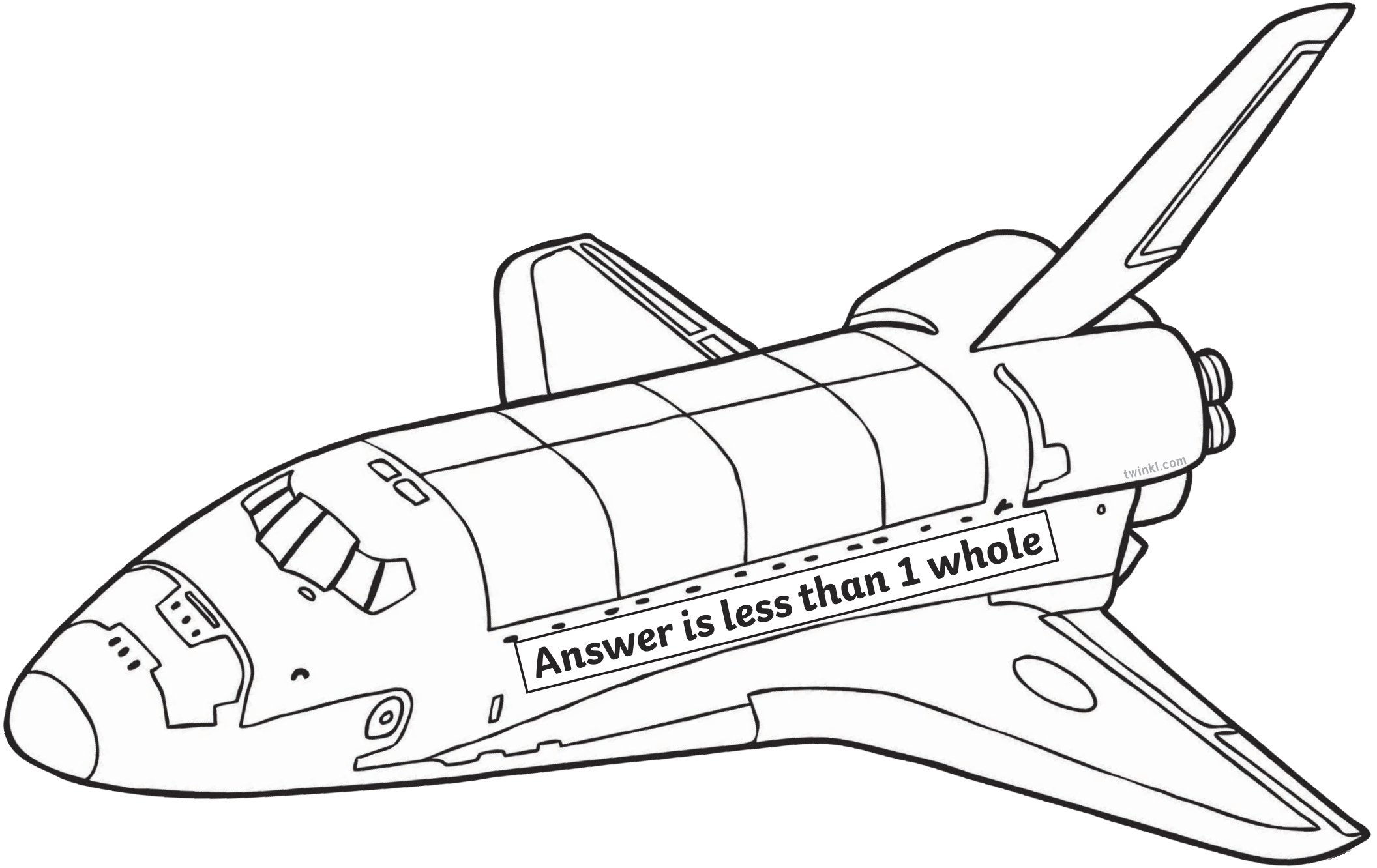
$\frac{1}{16} + \frac{10}{16} =$

$\frac{11}{20} - \frac{9}{20} =$

$\frac{11}{12} + \frac{3}{12} =$

$\frac{1}{2} + \frac{1}{2} =$


Answer is 1 whole or greater
twinkl.com


Answer is less than 1 whole
twinkl.com

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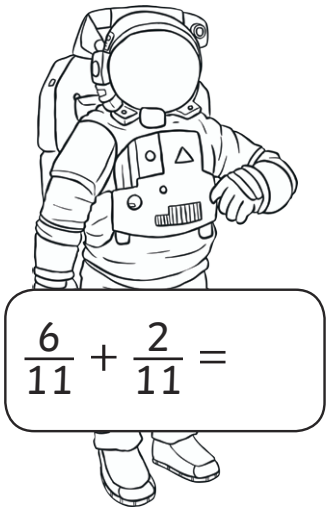
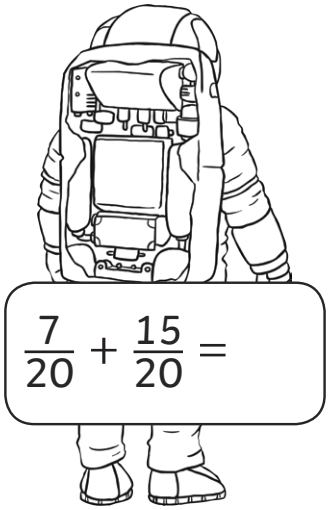
Space Themed Maths Activity Games

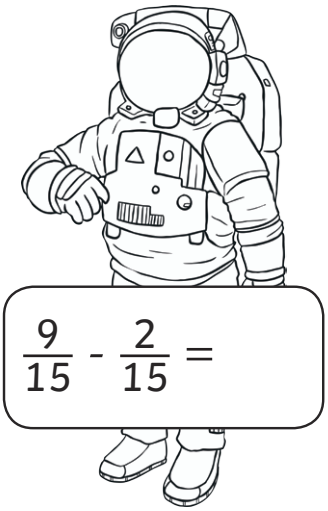
Cut out and attach a paperclip to each astronaut. Use a magnet to select an astronaut. Complete the calculation.



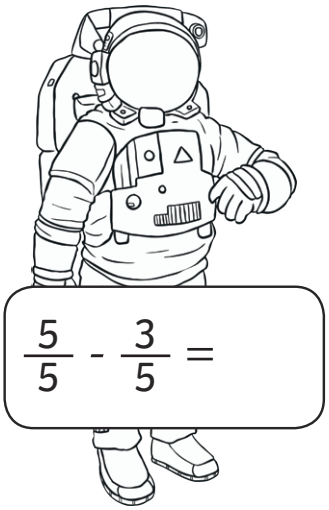
$\frac{6}{11} + \frac{2}{11} =$



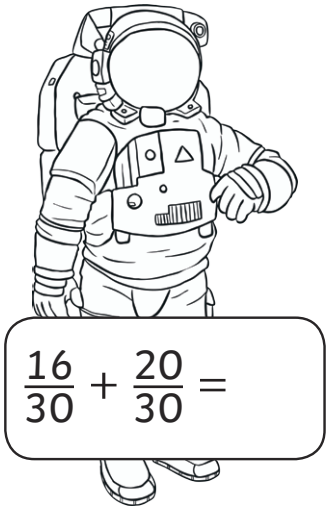
$\frac{7}{20} + \frac{15}{20} =$



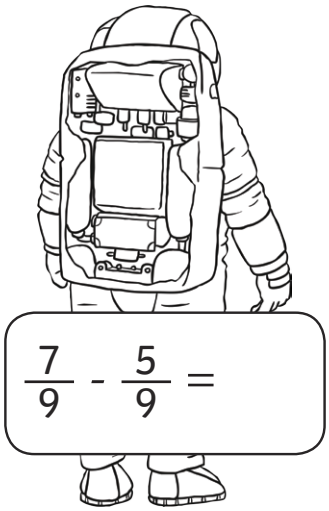
$\frac{9}{15} - \frac{2}{15} =$



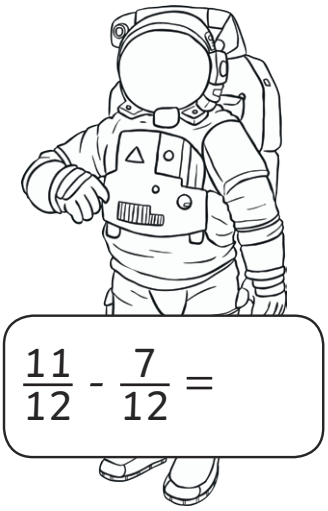
$\frac{5}{5} - \frac{3}{5} =$



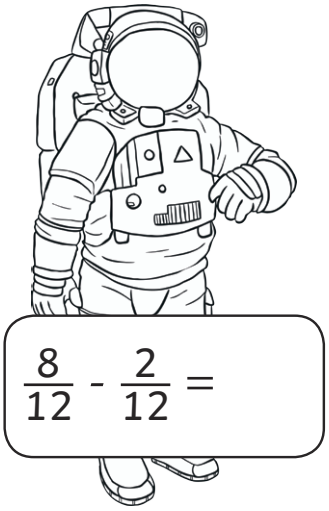
$\frac{16}{30} + \frac{20}{30} =$



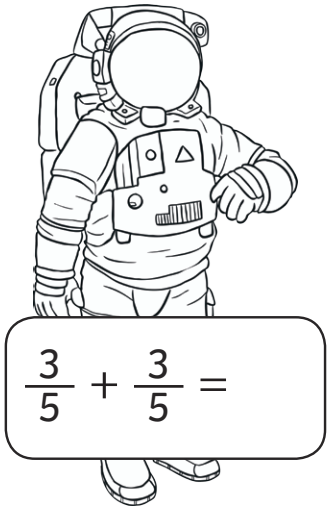
$\frac{7}{9} - \frac{5}{9} =$



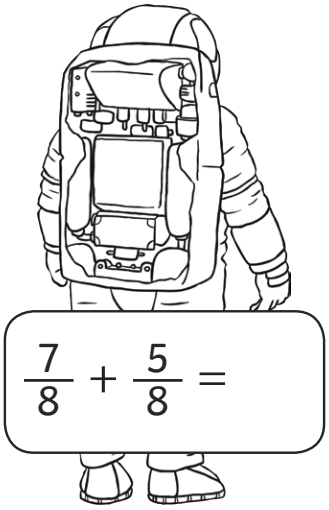
$\frac{11}{12} - \frac{7}{12} =$



$\frac{8}{12} - \frac{2}{12} =$



$\frac{3}{5} + \frac{3}{5} =$



$\frac{7}{8} + \frac{5}{8} =$

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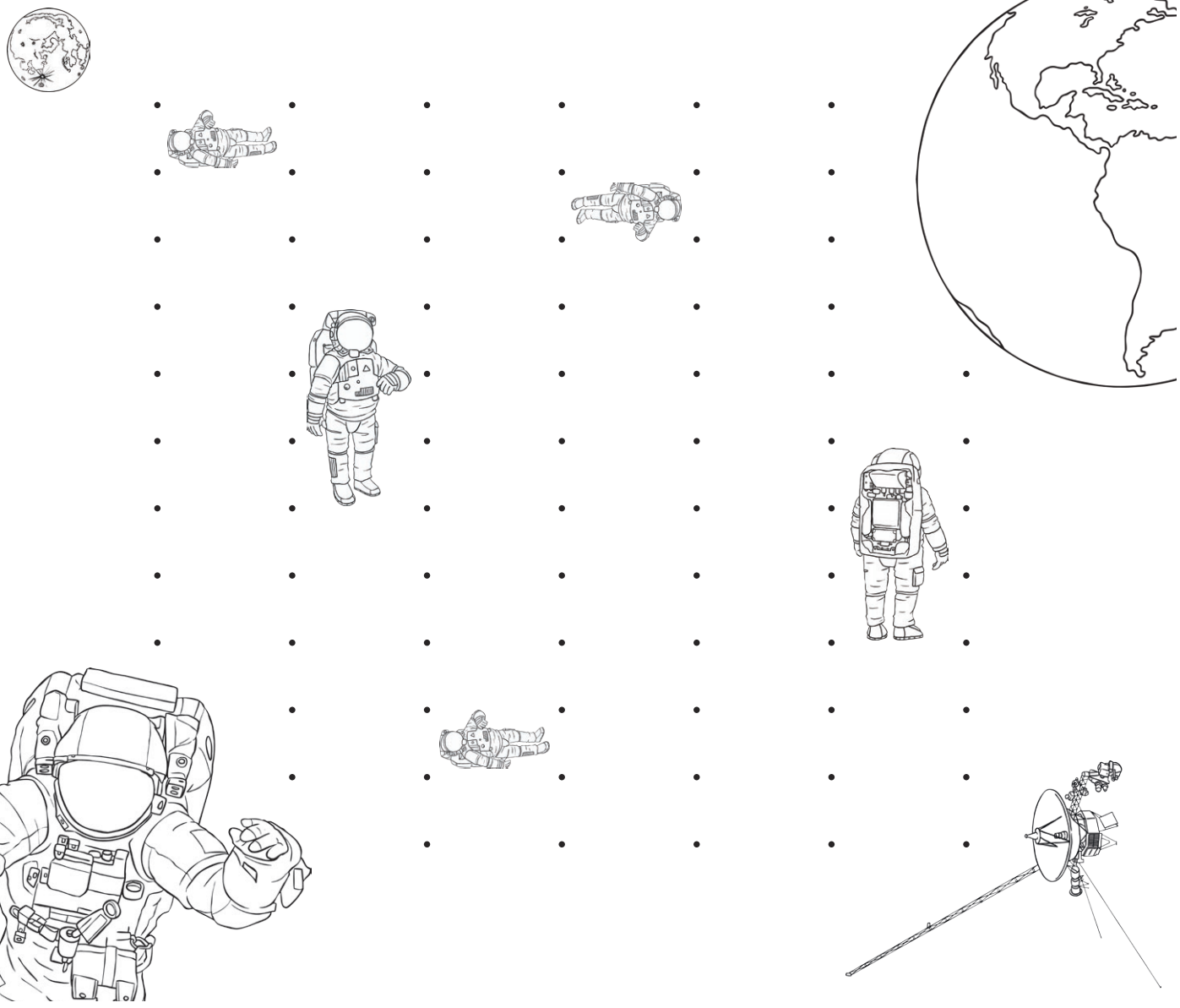
Space Themed Maths Activity Games

Two player game

Take turns to select a card. Complete the calculation. Once you have completed the calculation, check your answer. If your calculation is correct, join two of the dots with a horizontal or vertical line and the turn is passed. If the answer is incorrect, the turn is passed to the next player without drawing a line.

During the game, boxes will be made by four lines joining together. The player who draws a line that finishes a four-sided box writes their initials in the box. Each box is worth a point. If a box is made around an astronaut, it counts for five points.

The person with the most points by the end of the game wins.



Space Themed Maths Activity Games

$\frac{3}{6} + \frac{5}{6} =$	$\frac{2}{5} - \frac{1}{5} =$	$\frac{12}{20} + \frac{5}{20} =$	$\frac{4}{10} - \frac{2}{10} =$
$\frac{8}{10} + \frac{2}{10} =$	$\frac{11}{12} - \frac{2}{12} =$	$\frac{11}{15} + \frac{10}{15} =$	$\frac{5}{7} - \frac{1}{7} =$
$\frac{9}{15} + \frac{7}{15} =$	$\frac{10}{15} - \frac{3}{15} =$	$\frac{6}{12} + \frac{10}{12} =$	$\frac{2}{2} - \frac{1}{2} =$
$\frac{2}{5} + \frac{4}{5} =$	$\frac{12}{20} - \frac{2}{20} =$	$\frac{8}{10} + \frac{5}{10} =$	$\frac{5}{6} - \frac{3}{6} =$
$\frac{4}{7} + \frac{5}{7} =$	$\frac{19}{30} - \frac{12}{30} =$	$\frac{1}{3} + \frac{2}{3} =$	$\frac{11}{17} - \frac{7}{17} =$

Space Themed Maths Activity Games **Answers**

Shuttle game

$\frac{7}{10} + \frac{2}{10} = \mathbf{\frac{9}{10}}$	$\frac{3}{7} - \frac{2}{7} = \mathbf{\frac{1}{7}}$	$\frac{1}{3} + \frac{2}{3} = \mathbf{1}$	$\frac{7}{10} - \frac{2}{10} = \mathbf{\frac{5}{10}}$ or $\mathbf{\frac{1}{2}}$
$\frac{1}{16} + \frac{10}{16} = \mathbf{\frac{11}{16}}$	$\frac{11}{20} - \frac{9}{20} = \mathbf{\frac{2}{20}}$ or $\mathbf{\frac{1}{10}}$	$\frac{11}{12} + \frac{3}{12} = \mathbf{1\frac{2}{12}}$ or $\mathbf{1\frac{1}{6}}$	$\frac{1}{2} + \frac{1}{2} = \mathbf{1}$

Magnet game

$\frac{6}{11} + \frac{2}{11} = \mathbf{\frac{8}{11}}$	$\frac{7}{20} + \frac{15}{20} = \mathbf{\frac{2}{20}}$ or $\mathbf{1\frac{1}{10}}$	$\frac{9}{15} - \frac{2}{15} = \mathbf{\frac{7}{15}}$	$\frac{5}{5} - \frac{3}{5} = \mathbf{\frac{2}{5}}$
$\frac{16}{30} + \frac{20}{30} = \mathbf{1\frac{6}{30}}$ or $\mathbf{1\frac{1}{5}}$	$\frac{7}{9} - \frac{5}{9} = \mathbf{\frac{2}{9}}$	$\frac{11}{12} - \frac{7}{12} = \mathbf{\frac{4}{12}}$ or $\mathbf{\frac{1}{3}}$	$\frac{8}{12} - \frac{2}{12} = \mathbf{\frac{6}{12}}$ or $\mathbf{\frac{1}{2}}$
	$\frac{3}{5} + \frac{3}{5} = \mathbf{1\frac{1}{5}}$	$\frac{7}{8} + \frac{5}{8} = \mathbf{1\frac{4}{8}}$ or $\mathbf{1\frac{1}{2}}$	

Two player game

$\frac{3}{6} + \frac{5}{6} = \mathbf{1\frac{2}{6}}$ or $\mathbf{1\frac{1}{3}}$	$\frac{2}{5} - \frac{1}{5} = \mathbf{\frac{1}{5}}$	$\frac{12}{20} + \frac{5}{20} = \mathbf{\frac{17}{20}}$	$\frac{4}{10} - \frac{2}{10} = \mathbf{\frac{2}{10}}$ or $\mathbf{\frac{1}{5}}$
$\frac{8}{10} + \frac{2}{10} = \mathbf{1}$	$\frac{11}{12} - \frac{2}{12} = \mathbf{\frac{9}{12}}$ or $\mathbf{\frac{3}{4}}$	$\frac{11}{15} + \frac{10}{15} = \mathbf{1\frac{6}{15}}$ or $\mathbf{1\frac{2}{5}}$	$\frac{5}{7} - \frac{1}{7} = \mathbf{\frac{4}{7}}$
$\frac{9}{15} + \frac{7}{15} = \mathbf{1\frac{1}{15}}$	$\frac{10}{15} - \frac{3}{15} = \mathbf{\frac{7}{15}}$	$\frac{6}{12} + \frac{10}{12} = \mathbf{1\frac{4}{12}}$ or $\mathbf{1\frac{1}{3}}$	$\frac{2}{2} - \frac{1}{2} = \mathbf{\frac{1}{2}}$
$\frac{2}{5} + \frac{4}{5} = \mathbf{1\frac{1}{5}}$	$\frac{12}{20} - \frac{2}{20} = \mathbf{\frac{10}{20}}$ or $\mathbf{\frac{1}{2}}$	$\frac{8}{10} + \frac{5}{10} = \mathbf{1\frac{3}{10}}$	$\frac{5}{6} - \frac{3}{6} = \mathbf{\frac{2}{6}}$ or $\mathbf{\frac{1}{3}}$
$\frac{4}{7} + \frac{5}{7} = \mathbf{1\frac{2}{7}}$	$\frac{19}{30} - \frac{12}{30} = \mathbf{\frac{7}{30}}$	$\frac{1}{3} + \frac{2}{3} = \mathbf{1}$	$\frac{11}{17} - \frac{7}{17} = \mathbf{\frac{4}{17}}$